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Abstract

Environmental factors, such as electromagnetic waves, isotopic biological and genetic effects, One of the most important physiological systems involved with electromagnetic fields (EMFs) is the nervous system. Considering the fact that EMFs can affect the nervous system, and because of the importance of the nervous system and the importance of the two types of mutual interactions (i.e., classical and novel). The studies presented in this review related to the effects of different exposures to EMFs on the nervous system. Many studies have been done in this regard and the results indicating the effects of the exposures. Many studies have been done in this regard and the results of running or soon running electromagnetic waves on the cell line of spermatogenesis, sexual hormones, and the effects of exposure to EMFs on the reproductive system. Many studies have been done in this regard and the results indicating the effects of the exposures. Many studies have been done in this regard and the results of running or soon running electromagnetic waves on the cell line of spermatogenesis, sexual hormones, and the effects of exposure to EMFs on the reproductive system. Many studies have been done in this regard and the results indicating the effects of the exposures. However, in addition to the studies conducted on human subjects, histopathological research should be conducted.

Keywords: Electromagnetic fields (EMFs), Reproduction system, Antioxidants

1. Introduction

People in the modern world frequently are exposed to electromagnetic fields (EMFs). Human exposure to EMFs comes from many sources, and situations are different in people's everyday lives. The most important sources of EMFs are electrical appliances and the use of electrical energy. There are many sources of the influence the degree to which people's daily lives (for example, exactly body weight, body mass index, body density and the levels of water and electrolytes can be affected by the EMF) [1]. Exposure to EMFs can be divided into two groups: the first group is the occupational exposure that can depend on gender, tissue density of the tissue and the EMF, and the exposure levels to EMFs. Beginning in 1940 when the biological hazards caused by EMFs first were reported, the effects of EMFs on biological systems have been the subject of many studies [2]. Biological effects of EMFs depend on the frequency and intensity of the exposure. Exposure to EMFs should not be ignored. Currently people are exposed to various types of EMFs, which are non-ionizing radiation. Electromagnetic fields are divided into two groups: ionizing and non-ionizing. Ionizing radiation is that which is transmitted from one point to another. Some forms of physical energy such as X-rays, UV light, and sunlight produce EMFs [3]. There are several references that classify EMFs in different ways. Electromagnetic radiation is